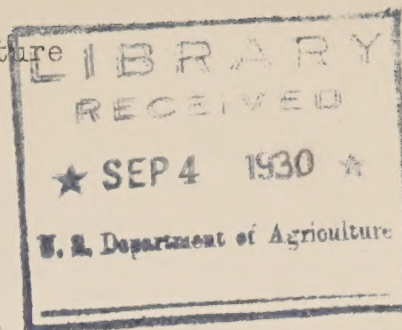


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United States Department of Agriculture
Director of Scientific Work
Washington, D. C.



August 1
1930

Dr. A. F. Woods, Director of the Graduate
School, and Members of the School Council

Gentlemen:

Following is the annual report of the Graduate
School of the United States Department of Agriculture
for 1929-30:

The School opened the week beginning October 21,
1929, and the last class was held June 14, 1930.

Nineteen courses were offered and 16 conducted,
3 having been withdrawn because of lack of demand.
Of the 16 courses given 10 were graduate and 6 under-
graduate courses. Of the graduate courses 5 were two-
semester courses and 5 one-semester, and of the under-
graduate courses 3 were two-semester courses and 3 one-
semester. The graduate courses conducted were---

- (1) Composition and Utilization of the Soil
- (2) The Fundamentals of Chemistry
- (3) Colloid Chemistry
- (4) Control of Plant Diseases
- (5) Plant Genetics
- (6) Physiology of Plant Growth and Development
- (7) Advanced Statistical Methods
- (8) History of American Agriculture
- (9) Business Cycles in Relation to Agriculture
- (10) Prices and Price Relationships

The undergraduate courses were---

- (1) Elementary Statistical Methods
- (2) Principles of Systematic Botany
- (3) Agricultural Writing
- (4) Spanish
- (5) Russian
- (6) Second course in Elementary Statistical Methods

The courses offered but not given were---

Graduate courses:

- (1) Principles of Taxation
- (2) Economic Aspects on Weather and Agriculture.

Undergraduate course:

- (1) Scientific French.

The number of students registered this year was 331, compared with 226 in 1928-29, 218 in 1927-28, and 111 in 1926-27. Tuition in part or all was refunded to 14 students owing to absence on account of being sent to the field or illness.

Of the 10 graduate courses 5 were self-supporting and 5 had a deficit, and of the 6 undergraduate courses 4 were self-supporting and 2 had a deficit.

The following is a detailed record of each course, including title, name or names of instructors, dates of opening and termination, number and names of students registered for each semester, total tuition received for each course, amount paid to instructors, and balance or deficit:

- (1) COMPOSITION AND UTILIZATION OF THE SOIL
Dr. H. E. Byers, instructor
Course opened October 23, 1929, and closed February 15, 1930. Second semester withdrawn owing to lack of time of instructor.

<u>First semester</u>	<u>Second semester</u>
7 registrants	6 registrants
Total tuition	\$195
Total salary	150
Balance	\$ 45

(2) THE FUNDAMENTALS OF CHEMISTRY

Dr. H. E. Byers, instructor

Course opened October 22, 1929,

and closed May 23, 1930.

First semester
11 registrants

Second semester
10 registrants

Total tuition	\$245
Total salary	300
Deficit	<u>\$ 55</u>

(3) COLLOID CHEMISTRY

Dr. M. M. Haring, instructor

Course opened October 21, 1929,

and closed May 10, 1930

First semester
10 registrants

Second semester
10 registrants

Total tuition	\$265
Total salary	300
Deficit	<u>\$ 35</u>

(4) CONTROL OF PLANT DISEASES

Dr. M. B. Waite and 10 others

Course opened December 2, 1929.

and closed March 5, 1930

First semester
14 registrants

Total Tuition	\$210
Salaries	150
Balance	<u>\$ 60</u>

(5) PLANT GENETICS

Dr. W. B. Kemp, instructor

Course opened October 21, 1929,
and closed February 10, 1930First semester

11 registrants

Total Tuition \$165

Salary 150

Balance \$ 15

(6) ADVANCED STATISTICAL METHODS

Mr. M. J. B. Ezekiel, instructor

Course opened October 22, 1929,
and closed May 29, 1930First semester

47 registrants

Second semester

40 registrants

Total tuition \$1,114

Total salaries 425

Balance \$ 689

(7) HISTORY OF AMERICAN AGRICULTURE

Mr. Everett E. Edwards, instructor

Course opened October 22, 1929,
and closed May 8, 1930First semester

10 registrants

Second semester

4 registrants

Total tuition \$199

Salary 300

Deficit \$101

(8) PRICES AND PRICE RELATIONSHIPS

Mr. M.J.B. Ezekiel and Mr. Warren

C. Waite, instructors

Course opened October 21, 1929,

and closed May 28, 1930

First semester
16 registrants

Second semester
14 registrants

Total tuition	\$394.50
Salaries.....	<u>300.00</u>
Balance	94.50

(9) PHYSIOLOGY OF PLANT GROWTH AND DEVELOPMENT

Dr. C. C. Appleman, instructor

Course opened January 28, 1930.

First semester
19 registrants

Total tuition	\$285.00
Salary.....	\$150
Travel expenses.....	<u>12.99</u>
Balance	162.99
	<u>\$122.01</u>

(10) BUSINESS CYCLES IN RELATION TO AGRICULTURE

Mr. L. H. Bean, instructor

Course opened January 29, 1930.

and closed June 14, 1930

First semester
7 registrants

Total tuition	\$100
Salary	<u>150</u>
Deficit	\$ 50

(11) ELEMENTARY STATISTICAL METHODS

Mr. C. M. Purves and Mr. S. H.

Newell, instructors

Course opened October 21, 1929,

and closed May 23, 1930

First semester

74 registrants

Second semester

60 registrants

Total tuition	\$1,686
Salaries	595
Balance	<u>\$1,091</u>

(12) ELEMENTARY STATISTICAL METHODS,

FIRST SEMESTER, 2d COURSE

Mr. C. M. Purves, instructor

Course opened February 9, 1930,

and closed May 22, 1930

First semester

24 registrants

Total tuition	\$320
Salary	150
Balance.....	<u>\$170</u>

(13) PRINCIPLES OF SYSTEMATIC BOTANY

Dr. S. F. Blake, instructor

Course opened October 22, 1929,

and closed June 5, 1930

First semester

25 registrants

Second semester

12 registrants

Total tuition	\$565
Salary	300
Balance	<u>\$265</u>

(14) AGRICULTURAL WRITING

Mr. M. S. Eisenhower et al,
instructors

Course, opened October 22, 1929,
and closed January 30, 1930.

First semester

13 registrants

Total tuition	\$195
Salaries	150
Balance	<u>\$ 45</u>

(15) SPANISH

Dr. C. H. Leineweber, instructor

Course opened October 22, 1929,
and closed June 10, 1930.

First semester

8 registrants

Second semester

9 registrants

Total tuition	\$220
Salary	300
Deficit	<u>\$ 80</u>

(16) RUSSIAN

Dr. C. H. Leineweber, instructor

Course opened February 6, 1930,
and closed June 7, 1930.

First semester

5 registrants

Total tuition	\$ 65
Salary	150
Deficit	<u>\$ 85</u>

(17) SCIENTIFIC FRENCH

Dr. H. B. Humphrey, instructor

Withdrawn

Total tuition.....	\$15
Salary	00
Balance	<u>\$15</u>

Summarizing the foregoing, there were 301 registrants for the first semester and 165 for the second semester, or a total of 331 individual registrations.

From the 9 courses and the one withdrawn that were self-supporting there was a balance of \$2,641.51, and from the 7 courses that were not self-supporting there was a deficit of \$361.

The following is the ---

SCHOOL'S FINANCIAL STATEMENT FOR THE YEAR END-
ING JULY 31, 1930

Receipts:

Balance from 1928-29	\$ 2,521.64
Tuition for 1929-30	5,938.50
Interest on bank deposits	145.63
Interest on Liberty bond	127.50
Mimeographed statistical lectures.....	<u>2.50</u>
	\$8,735.77

Expenditures:

Safety deposit box	\$ 6.00
Refunds	172.00
Blackboards	43.80
Treasurer's bond	5.00
Lectures	855.97
Checks returned by bank	30.00
Photostating	8.00
Mimeographing Russell lecture	135.00
Salaries	<u>4,432.99*</u>
Balance	<u>5,688.76</u>
	\$3,047.01

*This includes \$12.99 for travel.

Government bond	3,000.00
Total assets	<u>\$6,047.01</u>

In accordance with statement made in last year's annual report, the same questionnaire that was sent out in May, 1929, was distributed April 10, 1930, to the 226 students of 1928-29. The following is a summary of the data brought together from the replies:

Number of replies received	129
Bureau Agricultural Economics	33
Bureau of Plant Industry	22
Bureau Chemistry and Soils	12
Bureau of Animal Industry	7
Treasury Department	6
Bureau of Home Economics	5
Bureau of Public Roads	4
Forest Service	4
Bureau of Entomology	4
Washington, D. C.	4
Robert Brookings Institute	3
Federal Farm Board	3
Office of Experiment Stations	3
Department of the Interior	3
Department of Labor	2
Tariff Commission	2
Office of Information	1
Bureau of Dairy Industry	1
Extension Service	1
Library of Department	1
Bureau of Biological Survey	1
Food, Drug, and Insect. Adm.	1
Grain Futures Adm.	1
Plant Quarantine and Con. Adm. ...	1
Department of Commerce	1
National Museum	1
Wyoming	1
Resigned from Agr. Economics	1
	129

The following is a summary compiled from the returns from the questionnaire:

Question	Yes	No	Per- haps	Unans- wered	To- tal
Have you derived any benefit from the course or courses from the standpoint of--					
(1) Increased efficiency..	97	19	1	12	129
(2) Advanced work.....	20	68		41	129
(3) Increased salary	19	67		43	129
(4) Other benefits	29			100	129

Have you applied for and re-
ceived credit from any col-

Question	Yes	No	Per- haps	Unans- wered	To- tal
lege or university for the course or courses taken	4	92	11	22	129
Comments regarding value of school or suggestions re- garding courses or both.....	78			81	129
Institutions in which credits were filed:					
Georgetown University School of Foreign Service					1
American University					2
George Washington University					$\frac{1}{4}$
Degrees toward which credits apply:					
ph. D.					1
M. A.					2
M. S.					$\frac{1}{4}$

Practically all the comments offered regarding the school testified to its excellent character.

The questionnaires returned are being filed as part of the permanent record of the School.

This year, as was done last year and will be done in the future, each Chief of Bureau in which the registrants are employed was furnished with a card for each member of his force taking one or more courses, giving the title of the course or courses taken and the grade received.

As a further record of the work of the secretary during the year 1929-30 it may be said that--

The number of announcements prepared was	4
The number of announcements distributed was about	10,000
Number of articles prepared for the press, about	6 to 8
Number of cards made out to show name and address of student, course taken, amounts and dates of tu- ition paid, and grade	331
Receipts for tuition	512
Letters received	302
Letters written	510
Certificates furnished	46
Number of pamphlets containing 4 lectures distributed	275

Yours very truly,

Nellie E. Fealy,

Administrative Assistant
and Secretary of School.

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